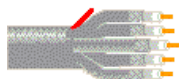


## 734A6 Coax - 734A Series



For more Information  
please call

1-800-Belden1

**General Description:**

20 AWG solid .032" (.81mm) bare copper conductor(s), gas-injected FHDPE insulation, Beldfoil® + tinned copper braid shield (85% coverage), PVC jacket.

**Physical Characteristics (Overall)****Conductor**

AWG:

| # Coax | AWG | Stranding | Conductor Material | Dia. (in.) |
|--------|-----|-----------|--------------------|------------|
| 6      | 20  | Solid     | BC - Bare Copper   | .032       |

Total Number of Conductors: 6

**Insulation**

Insulation Material:

| Insulation Material                                 | Dia. (in.) |
|-----------------------------------------------------|------------|
| Gas-injected FHDPE - Foam High Density Polyethylene | .148       |

**Inner Shield**

Inner Shield Material:

| Layer # | Inner Shield Trade Name | Type  | Inner Shield Material        | Coverage (%) |
|---------|-------------------------|-------|------------------------------|--------------|
| 1       | Beldfoil®               | Tape  | Aluminum Foil-Polyester Tape | 100          |
| 2       |                         | Braid | TC - Tinned Copper           | 85           |

**Inner Jacket**

Inner Jacket Material:

| Inner Jacket Material    | Nom. Dia. (in.) |
|--------------------------|-----------------|
| PVC - Polyvinyl Chloride | .235            |

**Outer Shield**

Outer Shield Material:

| Outer Shield Material |
|-----------------------|
| Unshielded            |

**Outer Jacket**

Outer Jacket Material:

| Outer Jacket Material    |
|--------------------------|
| PVC - Polyvinyl Chloride |

Outer Jacket Ripcord: Yes

**Overall Cable**

Overall Nominal Diameter: 0.772 in.

**Mechanical Characteristics (Overall)**

|                                   |                  |
|-----------------------------------|------------------|
| Operating Temperature Range:      | -45°C To +75°C   |
| Bulk Cable Weight:                | 250 lbs/1000 ft. |
| Max. Recommended Pulling Tension: | 360 lbs.         |
| Min. Bend Radius/Minor Axis:      | 8 in.            |

**Applicable Specifications and Agency Compliance (Overall)****Applicable Standards & Environmental Programs**

|                                    |     |
|------------------------------------|-----|
| NEC/(UL) Specification:            | CMR |
| CEC/C(UL) Specification:           | CMG |
| EU Directive 2011/65/EU (RoHS II): | Yes |
| EU CE Mark:                        | Yes |
| EU Directive 2000/53/EC (ELV):     | Yes |
| EU Directive 2002/95/EC (RoHS):    | Yes |

# Detailed Specifications & Technical Data



ENGLISH MEASUREMENT VERSION

## 734A6 Coax - 734A Series

|                                       |                                     |
|---------------------------------------|-------------------------------------|
| EU RoHS Compliance Date (mm/dd/yyyy): | 01/01/2004                          |
| EU Directive 2002/96/EC (WEEE):       | Yes                                 |
| EU Directive 2003/11/EC (BFR):        | Yes                                 |
| CA Prop 65 (CJ for Wire & Cable):     | Yes                                 |
| MIL Order #39 (China RoHS):           | Yes                                 |
| Other Specification:                  | Telcordia Specification GR-139-CORE |

### Flame Test

|                 |                       |
|-----------------|-----------------------|
| UL Flame Test:  | UL1666 Vertical Shaft |
| CSA Flame Test: | FT4                   |

### Suitability

|                       |     |
|-----------------------|-----|
| Suitability - Indoor: | Yes |
|-----------------------|-----|

### Plenum/Non-Plenum

|               |    |
|---------------|----|
| Plenum (Y/N): | No |
|---------------|----|

## Electrical Characteristics (Overall)

### Nom. Characteristic Impedance:

| Impedance (Ohm) |
|-----------------|
| 75              |

### Nom. Inductance:

| Inductance (µH/ft) |
|--------------------|
| .097               |

### Nom. Capacitance Conductor to Shield:

| Capacitance (pF/ft) |
|---------------------|
| 16.8                |

### Nominal Velocity of Propagation:

| VP (%) |
|--------|
| 80     |

### Nominal Delay:

| Delay (ns/ft) |
|---------------|
| 1.27          |

### Nom. Conductor DC Resistance:

| DCR @ 20°C (Ohm/1000 ft) |
|--------------------------|
| 10                       |

### Nom. Inner Shield DC Resistance:

| Description | DCR @ 20°C (Ohm/1000 ft) |
|-------------|--------------------------|
|             | 24                       |

### Max. Operating Voltage - UL:

| Voltage   |
|-----------|
| 300 V RMS |

|                                    |                                                                                                                      |
|------------------------------------|----------------------------------------------------------------------------------------------------------------------|
| Other Electrical Characteristic 1: | Impedance tested in accordance with ASTM D-4566 paragraph 43.2 option 2 using a 75 OHM fixed bridge and termination. |
| Other Electrical Characteristic 2: | RL tested in accordance with ASTM D-4566 paragraph 45.2 option 2 using a 75 OHM fixed bridge and termination.        |
| Other Electrical Characteristic 3: | 100% Sweep tested.                                                                                                   |

### Minimum Return Loss:

| Description | Freq. (MHz) | Start Freq. (MHz) | Stop Freq. (MHz) | Min. RL (dB) |
|-------------|-------------|-------------------|------------------|--------------|
|             |             | 15                | 95               | 30           |

## Put Ups and Colors:

| Item #        | Putup    | Ship Weight | Color | Notes | Item Desc                   |
|---------------|----------|-------------|-------|-------|-----------------------------|
| 734A6 0081000 | 1,000 FT | 289.000 LB  | GRAY  | C     | 6 #20 PE/FHDPE SH PVC FRPVC |
| 734A6 008500  | 500 FT   | 140.500 LB  | GRAY  | C     | 6 #20 PE/FHDPE SH PVC FRPVC |

Notes:  
C = CRATE REEL PUT-UP.

Revision Number: 2    Revision Date: 08-24-2012

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